1990 Worldwide Developers Conference

Mark E. Davis–International System Software Manager

Peter Edberg–Project Lead Script Manager

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Michael Wallace–Product Manager

International System Software

Technical Challenges of International Design

Introduction

Directions

- International Markets
- The Script Manager
- Multiple Languages
- Universal Character Encoding

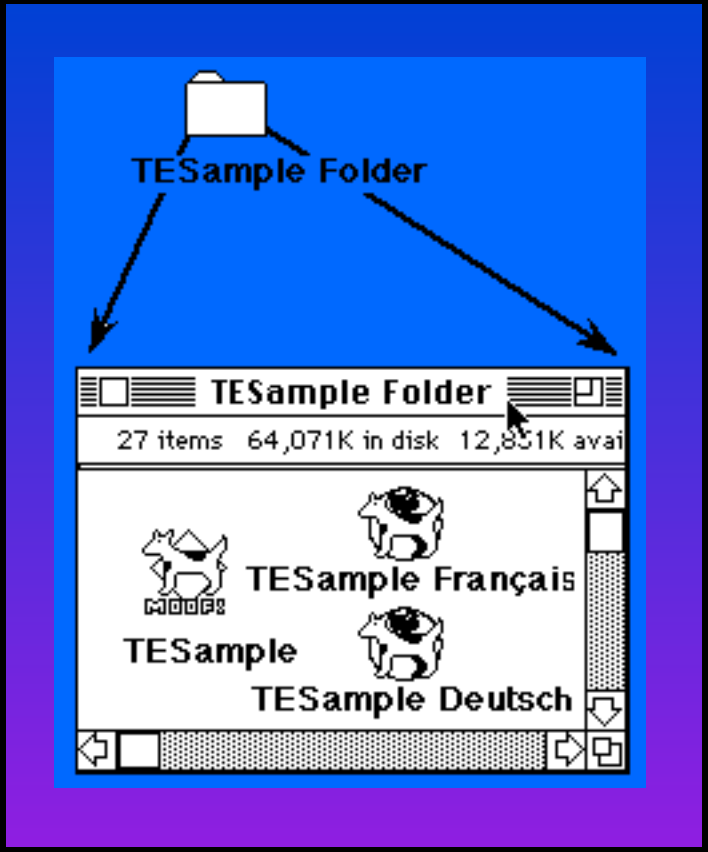
Why International

- Significant proportion of the hardware base
- Higher growth than US
- More opportunity

The Script Manager

- Framework for multiple scripts/character sets
- System support for your application
- Use it:
  - With unfamiliar languages or scripts, or
  - When the standard behavior is appropriate,
  - Otherwise…

Multiple Languages

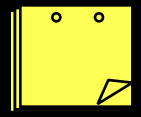


- Within your document
- In presenting your application
  - Ask for the system language
  - Choose a resource file
  - For the adventurous: runtime switching!

Universal Character Encoding: *Unicode*

- Constant Width, 16-bit Encoding
- Full Encoding: 65,000 characters
- Superset of existing standards
  - ISO 5426, 5427, 5428, 6438, 6861, 6862, 8859, 6937; ISCII; GB; JIS; KSC; CNS,…
- Dynamic composition
- CJK unification

Unicode Status



- Coöperative efforts
  - Major collaborative effort from Xerox
  - Industry wide input
- Draft 2, issued on March 23
  - 24 Alphabetic scripts
  - Over 1,000 symbols
  - Over 18,000 CJK characters

The power to be your best

Title